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June 8, 2006

08-SBd-15, 215-20.1/R29.2,28.2/28.6
08-0A4234

Addendum No. 4

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in SAN BERNARDINO COUNTY IN AND NEAR RIALTO AND FONTANA ON ROUTE 15 FROM 0.5 KM SOUTH OF SIERRA AVENUE UNDERCROSSING TO 5.0 KM NORTH OF KENWOOD AVENUE UNDERCROSSING AND ON ROUTE 215 FROM 0.4 KM SOUTH OF ROUTE 15 TO ROUTE 15.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on June 29, 2006. The original bid opening date was previously postponed indefinitely under Addendum No. 3 dated May 16, 2006.

This addendum is being issued to set a new bid opening date as shown herein and revise the Project Plans, the Notice to Contractors and Special Provisions, and the Proposal and Contract.

Project Plan Sheets 115, 173, 210, 211, 216, 220, 222, and 229 are revised. Half-sized copies of the revised sheets are attached for substitution for the like-numbered sheets.

In the Special Provisions, Section 10-1.27, "EXISTING HIGHWAY FACILITIES," subsection "BRIDGE REMOVAL (PORTION)," the removal description for the following location is revised:

(LOCATION B)
KENWOOD AVE UC (WIDEN)
(Bridge No. 54-0772R)

Remove portions of the existing overhang, wingwall, slope paving, and Type I barrier railing, as shown on the plans."

In the Special Provisions, Section 10-1.16, "MAINTAINING TRAFFIC," the attached paragraphs are added after the second paragraph.

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In the Special Provisions, Section 10-1.40, "REPLACE CONCRETE PAVEMENT (RAPID STRENGTH CONCRETE)," subsection "Spreading, Compacting and Shaping," the following paragraph is added before the first paragraph:

"Replacement concrete pavement shall be installed above asphalt concrete base (Type C) when the surface temperature of the asphalt concrete base (Type C) is below 32 °C. The temperature of mixed replacement concrete pavement, immediately before placing, shall be not less than 10 °C nor more than 32 °C per Section 90-6.02, "Machine Mixing," of the Standard Specifications."

In the Special Provisions, Section 10-1.55, "COLUMN CASINGS," the attached subsection "WATERPROOFING," is added after the subsection "GROUTING."

In the Special Provisions, Section 10-1.55, "COLUMN CASINGS," subsection "MEASUREMENT AND PAYMENT," the following paragraph is added after the second paragraph:

"Full compensation for asphalt membrane waterproofing or preformed membrane waterproofing shall be considered as included in the contract price paid per kilogram for column casing; therefore, no additional compensation will be allowed."

In the Proposal and Contract, the Engineer's Estimate Items 21, 22, 24, 25, 26, 27, 29, 45, 46, 67, 68, 70, 71, 73, and 83 are revised and Item 92 is deleted as attached.

To Proposal and Contract book holders:

Replace pages 4, 5, 6, and 7 of the Engineer's Estimate in the Proposal with the attached revised pages 4, 5, 6, and 7 of the Engineer's Estimate. The revised Engineer's Estimate is to be used in the bid.

Inquiries or questions in regard to this addendum must be communicated as a bidder inquiry and must be made as noted in the NOTICE TO CONTRACTORS section of the Notice to Contractors and Special Provisions.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the proposal.

Submit bids in the Proposal and Contract book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

This office is sending this addendum by UPS overnight mail to Proposal and Contract book holders to ensure that each receives it. A copy of this addendum is available for the contractor's use on the Internet Site:

http://www.dot.ca.gov/hq/esc/oe/weekly_ads/addendum_page.html

If you are not a Proposal and Contract book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,

ORIGINAL SIGNED BY

REBECCA D. HARNAGEL, Chief
Office of Plans, Specifications & Estimates
Office Engineer

Attachments

MAINTAINING TRAFFIC

At locations where falsework pavement lighting through falsework are designated, falsework lighting shall be installed in conformance with the provisions in Section 86-6.11, "Falsework Lighting," of the Standard Specifications.

Openings shall be provided through bridge falsework for the use of public traffic at each location where falsework is constructed over the streets or routes listed in the following table. The type, minimum width, height, and number of openings at each location, and the location and maximum spacing of falsework lighting, if required for each opening, shall conform to the requirements in the table. The width of vehicular openings shall be the clear width between temporary railings or other protective work. The spacing shown for falsework pavement lighting is the maximum distance center to center in meters between fixtures.

Kenwood Avenue UC
(Bridge No. 54-772R)
Kenwood Avenue

| | Number | Width | Height |
|-----------------------------|----------|-------|---------|
| Vehicle Openings | 1 | 12.0 | 4.6 |
| | | | |
| | Location | | Spacing |
| Falsework Pavement Lighting | N/A | | N/A |

(Width and Height in meters)

(R = Right side of traffic. L = Left side of traffic)

(C = Centered overhead)

The exact location of openings will be determined by the Engineer.

WATERPROOFING

Waterproofing shall conform to the provisions in Section 54, "Waterproofing," of the Standard Specifications and these special provisions.

Membrane waterproofing shall be applied to the painted undercoat of steel column casings in the same manner provided for waterproofing concrete surfaces.

The exposed surfaces of the membrane waterproofing applied to steel column casings shall be of uniform height above ground without unsightly bulges, depressions or other imperfections.

At the option of the Contractor, a preformed membrane waterproofing system may be furnished and applied in lieu of the asphalt membrane waterproofing specified above. Preformed membrane waterproofing shall conform to these special provisions.

A Certificate of Compliance conforming to the provisions in Section 6-1.07, "Certificates of Compliance," of the Standard Specifications shall be furnished for the preformed membrane sheet. The Certificate of Compliance shall include the following information: (1) type of preformed membrane sheet, and (2) the conditioner or primer application rates.

The preformed membrane waterproofing system shall consist of an adhesive, conditioner or primer applied to a prepared surface; a preformed membrane sheet of rubberized asphalt or polymer modified bitumen; mastic or tape for sealing the edges of the sheet; and a protective covering over the sheet held by an adhesive.

The preformed membrane sheet shall be either permanently applied to a polyethylene film or reinforced with a polypropylene mesh fabric, polyester/polypropylene fabric or a fiberglass mesh fabric. The membrane sheet shall conform to the following requirements:

| Property | Test | Requirement | |
|--|----------------|-------------------|-------------------|
| | | Polyethylene Film | Fabric Reinforced |
| Tensile Strength (Minimum)(1) | ASTM D 882 (2) | 3.5N/mm (3) | 3.5N/mm (3) |
| Percent Elongation at break (Minimum) (4) | ASTM D 882 (2) | 150 percent (3) | 25 percent (3) |
| Pliability | ASTM D 146 (5) | No cracks | No cracks |
| Thickness (Minimum) (6) | ----- | 1.5 mm | 1.5 mm |
| Rubberized Asphalt Softening Point (Minimum) | AASHTO T 53 | 74°C | 74°C |
| Polymer Modified Bitumen Softening Point (Minimum) | AASHTO T 53 | 99°C | 99°C |

Notes:

- (1) Breaking factor in machine direction.
- (2) Method A, average 5 samples.
- (3) At 23°C ± 2°C
- (4) Machine direction.
- (5) 180-degree bend over a 25-mm mandrel at -12°C
- (6) Total thickness of preformed membrane sheet and polyethylene film or fabric reinforcement.

Adhesives, conditioners, primers, mastics and sealing tapes shall be manufactured for use with the respective preformed membrane sheet materials and shall be applied according to the manufacturer's recommendations.

The protective covering shall be 3-mm minimum thickness hardboard or other material that furnishes equivalent protection. Backfill material and equipment shall not cut, scratch, depress or cause any other damage to the preformed membrane.

Surfaces designated to receive preformed membrane waterproofing shall be thoroughly cleaned of dirt, dust, loose or unsound concrete, and other extraneous material and shall be free from fins, sharp edges, and protrusions that would, in the opinion of the Engineer, puncture or otherwise damage the membrane. Sharp corners to be covered shall be rounded (outside) or chamfered (inside).

Surfaces shall be dry when components of the preformed membrane waterproofing system are applied.

Preformed membrane waterproofing shall not be applied to any surface until the Contractor is prepared to follow its application with the placing of the protective covering and backfill within a sufficiently short time that the membrane will not be damaged by workers or equipment, exposure to weathering, or from any other cause. Damaged membrane or protective covering shall be repaired or replaced by the Contractor at the Contractor's expense.

All projecting pipe, conduits, sleeves or other facilities passing through the preformed membrane waterproofing shall be flashed with prefabricated or field-fabricated boots, fitted coverings or other devices as necessary to provide watertight construction.

All conditioner or primers shall be thoroughly mixed and continuously agitated during application. Conditioner, primers or adhesive shall be allowed to dry to a tack free condition prior to placing membrane sheets.

The surfaces shall be recoated if membrane sheets are not placed over primer, conditioner or adhesive within the time recommended by the manufacturer.

The preformed membrane sheet shall not be applied in wet or foggy weather, nor when the ambient temperature is below 4°C.

Preformed membrane material shall be placed starting at the bottom and lapped by a minimum of 150 mm at splices and at repairs to holes or tears.

Exposed edges of membrane sheets shall have a trowelled bead of manufacturer's recommended mastic or sealing tape applied after the membrane is placed.

The surface of the preformed membrane shall be cleaned free of dirt and other deleterious material before the protective covering is placed.

The protective covering shall be placed on a coating of adhesive of a type recommended by the manufacturer. The adhesive shall be applied at a rate sufficient to hold the protective covering in position until the backfill is placed.

ENGINEER'S ESTIMATE
08-0A4234

| Item No. | Item Code | Item Description | Unit of Measure | Estimated Quantity | Unit Price | Item Total |
|-----------|-----------|---|-----------------|--------------------|------------|------------|
| 21 | 129000 | TEMPORARY RAILING (TYPE K) | M | 8760 | | |
| 22 (S) | 129100 | TEMPORARY CRASH CUSHION MODULE | EA | 64 | | |
| 23 | 040211 | REMOVE CHIP SEAL | M2 | 1020 | | |
| 24 (S) | 150704 | REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE | M | 7710 | | |
| 25 (S) | 150714 | REMOVE THERMOPLASTIC TRAFFIC STRIPE | M | 18 100 | | |
| 26 (S) | 150715 | REMOVE THERMOPLASTIC PAVEMENT MARKING | M2 | 330 | | |
| 27 (S) | 150722 | REMOVE PAVEMENT MARKER | EA | 1610 | | |
| 28 | 150771 | REMOVE ASPHALT CONCRETE DIKE | M | 2350 | | |
| 29 (S) | 151270 | SALVAGE METAL BRIDGE RAILING | M | 56 | | |
| 30 (S) | 038668 | SALVAGE METAL BEAM GUARD RAILING (WOOD POST) | M | 130 | | |
| 31 (S) | 038669 | RECONSTRUCT SINGLE THRIE BEAM BARRIER (WOOD POST) | M | 310 | | |
| 32 (S) | 151625 | RECONSTRUCT METAL BEAM GUARD RAILING (WOOD POST) | M | 120 | | |
| 33 | 038670 | RESET CONCRETE BARRIER (TYPE K) | M | 6190 | | |
| 34 | 152386 | RELOCATE ROADSIDE SIGN-ONE POST | EA | 2 | | |
| 35 (S) | 153103 | COLD PLANE ASPHALT CONCRETE PAVEMENT | M2 | 64 100 | | |
| 36 | 038671 | REPAIR PAVEMENT RECESSES (POLYESTER CONCRETE) | M2 | 15 | | |
| 37 | 153235 | CLEAN BRIDGE DECK | M2 | 39 750 | | |
| 38 | 157561 | BRIDGE REMOVAL (PORTION), LOCATION A | LS | LUMP SUM | LUMP SUM | |
| 39 | 157562 | BRIDGE REMOVAL (PORTION), LOCATION B | LS | LUMP SUM | LUMP SUM | |
| 40 | 157563 | BRIDGE REMOVAL (PORTION), LOCATION C | LS | LUMP SUM | LUMP SUM | |

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| Item No. | Item Code | Item Description | Unit of Measure | Estimated Quantity | Unit Price | Item Total |
|-----------|-----------|--|-----------------|--------------------|------------|------------|
| 41 | 190101 | ROADWAY EXCAVATION | M3 | 20 700 | | |
| 42 | 190107 | ROADWAY EXCAVATION (TYPE Y-1) (AERIALY DEPOSITED LEAD) | M3 | 430 | | |
| 43 | 190110 | LEAD COMPLIANCE PLAN | LS | LUMP SUM | LUMP SUM | |
| 44 | 190185 | SHOULDER BACKING | M3 | 100 | | |
| 45 (F) | 192003 | STRUCTURE EXCAVATION (BRIDGE) | M3 | 65 | | |
| 46 (F) | 193003 | STRUCTURE BACKFILL (BRIDGE) | M3 | 59 | | |
| 47 | 194001 | DITCH EXCAVATION | M3 | 670 | | |
| 48 (S) | 203014 | FIBER (EROSION CONTROL) | KG | 16 200 | | |
| 49 (S) | 203045 | PURE LIVE SEED (EROSION CONTROL) | KG | 260 | | |
| 50 (S) | 203061 | STABILIZING EMULSION (EROSION CONTROL) | KG | 1280 | | |
| 51 | 260201 | CLASS 2 AGGREGATE BASE | M3 | 10 800 | | |
| 52 | 260210 | AGGREGATE BASE (APPROACH SLAB) | M3 | 193 | | |
| 53 | 390102 | ASPHALT CONCRETE (TYPE A) | TONN | 31 500 | | |
| 54 | 038672 | ASPHALT CONCRETE BASE (TYPE C) | TONN | 7110 | | |
| 55 | 394002 | PLACE ASPHALT CONCRETE (MISCELLANEOUS AREA) | M2 | 5100 | | |
| 56 | 394048 | PLACE ASPHALT CONCRETE DIKE (TYPE E) | M | 2350 | | |
| 57 | 394054 | SHOULDER RUMBLE STRIP (AC, GROUND-IN INDENTATIONS) | M | 11 100 | | |
| 58 | 397001 | ASPHALTIC EMULSION (PAINT BINDER) | TONN | 57 | | |
| 59 | 401082 | SHOULDER RUMBLE STRIP (PCC, GROUND-IN INDENTATIONS) | M | 14 700 | | |
| 60 | BLANK | | | | | |

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| Item No. | Item Code | Item Description | Unit of Measure | Estimated Quantity | Unit Price | Item Total |
|----------|-----------|--|-----------------|--------------------|------------|------------|
| 61 | 401108 | REPLACE CONCRETE PAVEMENT (RAPID STRENGTH CONCRETE) | M3 | 7640 | | |
| 62 | 038674 | SEAL PAVEMENT JOINT (SILICONE) | M | 6130 | | |
| 63 | 404094 | SEAL LONGITUDINAL ISOLATION JOINT | M | 3060 | | |
| 64 | 420201 | GRIND EXISTING CONCRETE PAVEMENT | M2 | 62 900 | | |
| 65 (S) | 490655 | 400 MM CAST-IN-DRILLED-HOLE CONCRETE PILING | M | 24 | | |
| 66 (S) | 490665 | 1.8 M CAST-IN-DRILLED-HOLE CONCRETE PILING | M | 26 | | |
| 67 (F) | 510051 | STRUCTURAL CONCRETE, BRIDGE FOOTING | M3 | 3 | | |
| 68 (F) | 510053 | STRUCTURAL CONCRETE, BRIDGE | M3 | 153 | | |
| 69 (F) | 510086 | STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N) | M3 | 31 | | |
| 70 (F) | 510087 | STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R) | M3 | 1636 | | |
| 71 (F) | 040212 | STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R MODIFIED) | M3 | 250 | | |
| 72 | 510800 | PAVING NOTCH EXTENSION | M3 | 34 | | |
| 73 | 511106 | DRILL AND BOND DOWEL | M | 7 | | |
| 74 (S) | 519117 | JOINT SEAL (MR 30 MM) | M | 368 | | |
| 75 (S) | 519125 | JOINT SEAL ASSEMBLY (MR 70 MM) | M | 21 | | |
| 76 (S) | 519142 | JOINT SEAL (MR 40 MM) | M | 386 | | |
| 77 (S) | 519144 | JOINT SEAL (MR 50 MM) | M | 174 | | |
| 78 (S-F) | 520102 | BAR REINFORCING STEEL (BRIDGE) | KG | 33 867 | | |
| 79 (F) | 540102 | TREAT BRIDGE DECK | M2 | 39 750 | | |
| 80 | 540109 | FURNISH BRIDGE DECK TREATMENT MATERIAL (LOW ODOR) | L | 16 210 | | |

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| Item No. | Item Code | Item Description | Unit of Measure | Estimated Quantity | Unit Price | Item Total |
|-------------|-----------|--|-----------------|--------------------|------------|------------|
| 81 (S-F) | 550110 | COLUMN CASING | KG | 10 020 | | |
| 82 | 566012 | ROADSIDE SIGN - TWO POST | EA | 3 | | |
| 83 (F) | 721810 | SLOPE PAVING (CONCRETE) | M3 | 27 | | |
| 84 | 731517 | MINOR CONCRETE (GUTTER) | M3 | 210 | | |
| 85 (S) | 839541 | TRANSITION RAILING (TYPE WB) | EA | 14 | | |
| 86 (S) | 839585 | ALTERNATIVE FLARED TERMINAL SYSTEM | EA | 1 | | |
| 87 (F) | 839720 | CONCRETE BARRIER (TYPE 732) | M | 56 | | |
| 88 (F) | 839725 | CONCRETE BARRIER (TYPE 736) | M | 1232 | | |
| 89 | 040213 | BARRIER MODIFICATION WORK, LOCATION A | LS | LUMP SUM | LUMP SUM | |
| 90 | 040214 | BARRIER MODIFICATION WORK, LOCATION B | LS | LUMP SUM | LUMP SUM | |
| 91 | 040215 | BARRIER MODIFICATION WORK, LOCATION C | LS | LUMP SUM | LUMP SUM | |
| 92 | BLANK | | | | | |
| 93 | 040217 | BARRIER MODIFICATION WORK, LOCATION E | LS | LUMP SUM | LUMP SUM | |
| 94 | 040218 | BARRIER MODIFICATION WORK, LOCATION F | LS | LUMP SUM | LUMP SUM | |
| 95 | 040219 | BARRIER MODIFICATION WORK, LOCATION G | LS | LUMP SUM | LUMP SUM | |
| 96 (S) | 840515 | THERMOPLASTIC PAVEMENT MARKING | M2 | 320 | | |
| 97 (S) | 840560 | THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) | M | 66 500 | | |
| 98 (S) | 850122 | PAVEMENT MARKER (RETROREFLECTIVE-RECESSED) | EA | 4810 | | |
| 99 (S) | 861088 | MODIFY RAMP METERING SYSTEM | LS | LUMP SUM | LUMP SUM | |
| 100 (S) | 038675 | MODIFY CLOSED CIRCUIT TELEVISION SYSTEM | LS | LUMP SUM | LUMP SUM | |